

Table 15.3
Cancer of the Lung and Bronchus (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2016 With up to Five Joinpoints, 2000-2016 With up to Three Joinpoints,
Females by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2007-16	2012-16
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2016</u>														
All Races	1975-82	5.6*	1982-91	3.4*	1991-06	0.5*	2006-16	-1.5*					-1.5*	-1.5*
White	1975-88	4.8*	1988-97	1.4*	1997-07	0.2	2007-16	-1.5*					-1.5*	-1.5*
Black	1975-90	4.2*	1990-06	0.6*	2006-16	-1.9*							-1.9*	-1.9*
<u>SEER 21 Delay-Adjusted Incidence^b, 2000-2016</u>														
All Races	2000-07	0.3*	2007-16	-1.5*									-1.5*	-1.5*
White	2000-07	0.4*	2007-16	-1.5*									-1.5*	-1.5*
White NH ^{ef}	2000-07	0.6*	2007-16	-1.3*									-1.3*	-1.3*
Black	2000-09	0.3	2009-16	-2.0*									-1.5*	-2.0*
Black NH ^{ef}	2000-09	0.4	2009-16	-2.0*									-1.5*	-2.0*
API ^e	2000-16	0.1											0.1	0.1
AI/AN ^{eg}	2000-16	-0.7											-0.7	-0.7
Hispanic ^f	2000-16	-0.4*											-0.4*	-0.4*
<u>U.S. Cancer Mortality^c, 1975-2016</u>														
All Races	1975-83	5.9*	1983-92	3.8*	1992-02	0.5*	2002-07	-0.7*	2007-14	-2.0*	2014-16	-4.2*	-2.5*	-3.1*
White	1975-83	5.9*	1983-92	3.8*	1992-02	0.6*	2002-07	-0.6	2007-14	-1.9*	2014-16	-4.0*	-2.4*	-2.9*
Black	1975-82	6.3*	1982-92	3.7*	1992-04	0.4*	2004-13	-1.9*	2013-16	-4.5*			-2.7*	-3.8*
<u>U.S. Cancer Mortality^c, 2000-2016</u>														
All Races	2000-02	0.6	2002-07	-0.7*	2007-14	-2.0*	2014-16	-4.2*					-2.5*	-3.1*
White	2000-02	0.6	2002-07	-0.6*	2007-14	-1.9*	2014-16	-4.0*					-2.4*	-2.9*
White NH ^{ef}	2000-02	0.7	2002-07	-0.4	2007-14	-1.8*	2014-16	-3.9*					-2.2*	-2.8*
Black	2000-04	0.6	2004-13	-1.9*	2013-16	-4.5*							-2.7*	-3.8*
Black NH ^{ef}	2000-05	0.5	2005-08	-2.8	2008-13	-1.4*	2013-16	-4.7*					-2.7*	-3.9*
API ^e	2000-13	-0.3	2013-16	-3.3									-1.3*	-2.6*
AI/AN ^{eg}	2000-02	10.8	2002-16	-1.7*									-1.7*	-1.7*
Hispanic ^f	2000-16	-1.1*											-1.1*	-1.1*

Joinpoint Regression Program Version 4.7, February 2019, National Cancer Institute. (<https://surveillance.cancer.gov/joinpoint/>).

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Trends are from the SEER 21 areas (SEER 9 areas, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding

SF/SJM/LA, Kentucky, Louisiana, New Jersey, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic

Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska

Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

Data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) counties.

* The APC/AAPC is significantly different from zero ($p < .05$).

- Joinpoint regression line analysis could not be performed on data series.